Study created: 2018.05.14 11:00:03

Study build station data: LMS TV 2018-05-11 (64)

Proposal: WTAS-LP D23 LD LIC WAUKESHA, WI
File number: BLTTL20071001ACM
Facility ID: 71112
Station data: User record
Record ID: 1574
Country: U.S.

Build options:
Protect pre-transition records not on baseline channel
Protect baseline records from LPTV

Search options:
Non-U.S. records included

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
No	W25DW-D	D22	LD	CP	ARBURY HILLS, IL	BDISDTL20120106ABK	129.1 km
No	WRJK-LP	N22-	TX	LIC	ARLINGTON HEIGHTS, IL	BLTT19991020AAO	93.9
No	WLS-TV	D22	DT	CP	CHICAGO, IL	BLANK0000034300	129.3
No	WLS-TV	D22	DT	BL	CHICAGO, IL	DTVBL73226	129.3
No	WIFR-LD	D22	LD	LIC	ROCKFORD, IL	BLANK0000021651	109.7
No	WSBT-TV	D22	DT	LIC	SOUTH BEND, IN	BLCDT20090224ABF	221.0
No	WLLA	D22	DT	CP	KALAMAZOO, MI	BLANK0000034932	227.2
No	WLLA	D22	DT	BL	KALAMAZOO, MI	DTVBL11033	227.2
No	WFRV-TV	D22	DT	CP	GREEN BAY, WI	BLANK0000034729	152.7
No	WFRV-TV	D22	DT	BL	GREEN BAY, WI	DTVBL9635	152.7
No	WVCY-TV	D22	DT	APP	MILWAUKEE, WI	BMLEDT20091116ABD	27.2
No	KCWI-TV	D23	DT	APP	AMES, IA	BPCDT20130205AAY	462.9
No	KCWI-TV	D23	DT	LIC	AMES, IA	BLCDT20090612AIO	462.9
Yes	WCIU-TV	D23	DT	CP	CHICAGO, IL	BLANK0000034608	129.3
Yes	WCIU-TV	D23	DT	BL	CHICAGO, IL	DTVBL71428	129.3
No	WQPT-TV	D23	DT	APP	MOLINE, IL	BLANK0000035678	257.8
No	WQPT-TV	D23	DT	LIC	MOLINE, IL	BLEDT20030702AAR	257.8
No	WUSI-TV	D23	DT	CP	OLNEY, IL	BLANK0000034827	459.0
No	WUSI-TV	D23	DT	BL	OLNEY, IL	DTVBL4301	459.0
No	W35DE-D	D23	LD	APP	PEORIA, IL	BLANK0000053748	282.2
No	W41DP-D	D23	LD	APP	SPRINGFIELD, IL	BLANK0000052932	373.8
No	WCUH-LD	D23	LD	APP	FORT WAYNE, IN	BLANK0000052708	336.6

No	WDTI	D23	DT	CP	INDIANAPOLIS, IN	BLANK0000034481	379.5
No	WDTI	D23	DT	BL	INDIANAPOLIS, IN	DTVBL7908	379.5
No	WIPB	D23	DT	LIC	MUNCIE, IN	BLEDT20090717ABL	395.2
No	WUEA-LD	D23	LD	LIC	South Bend, IN	BLANK0000004243	233.5
No	WUEA-LD	D23	LD	CP	South Bend, IN	BLANK0000036429	248.0
No	WBSF	D23	DT	CP	BAY CITY, MI	BLANK0000034870	363.6
No	WBSF	D23	DT	BL	BAY CITY, MI	DTVBL82627	356.2
No	W23EB-D	D23	LD	LIC	CADILLAC, MI	BLDTL20140317ABS	265.7
No	WUDT-LD	D23	LD	LIC	Detroit, MI	BLANK0000007868	413.7
No	WXMI	D23	LD	APP	GRAND RAPIDS, MI	BLANK0000053423	259.5
No	WIEK-LD	D23	LD	LIC	MIDLAND, MI	BLANK0000014091	278.9
No	KQEG-CD	D23	DC	LIC	LA CRESCENT, MN	BLANK0000001542	265.7
No	KTCI-TV	D23	DT	LIC	ST. PAUL, MN	BLEDT20100326AAI	457.7
No	WNWO-TV	D23	DT	CP	TOLEDO, OH	BLANK0000024772	422.6
No	WNWO-TV	D23	DT	APP	TOLEDO, OH	BLANK0000033631	422.6
No	WNWO-TV	D23	DT	BL	TOLEDO, OH	DTVBL73354	422.6
No	NEW	D23	LD	APP	SIOUX FALLS, SD	BNPDTL20090825AWE	150.1
Yes	WBAY-TV	D23	DT	LIC	GREEN BAY, WI	BMLCDT20040723ADS	160.9
No	W23BW-D	D23	DC	APP	MADISON, WI	BLANK0000035876	105.2
No	W23BW-D	D23	DC	LIC	MADISON, WI	BLDTA20140827AAD	105.2
No	WRJK-LP	D24	LD	CP	ARLINGTON HEIGHTS, IL	BMPDTL20140211ACV	129.3
No	WFLD	D24	DT	CP	CHICAGO, IL	BLANK0000034486	129.3
No	WFLD	D24	DT	BL	CHICAGO, IL	DTVBL22211	129.3
No	WTLJ	D24	DT	LIC	MUSKEGON, MI	BLANK0000001674	186.0
No	WZCK-LD	D24	LD	APP	MADISON-MIDDLETON, WI	BLANK0000051613	105.1
No	WBME-CD	D24	DC	LIC	MILWAUKEE, WI	BLANK0000040426	26.4
No	WHRM-TV	D24	DT	APP	WAUSAU, WI	BLANK0000035674	248.1
No	WHRM-TV	D24	DT	LIC	WAUSAU, WI	BLEDT20051014AAW	248.1
No	W30BU	N30+	TX	LIC	GREEN BAY, WI	BLTTL20030923AAD	155.5

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

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    Channel: D23
       Mask: Full Service
   Latitude:  42 58  5.00 N (NAD83)
  Longitude:  88 11 20.10 W
Height AMSL: 455.0 m
       HAAT: 0.0 m
   Peak ERP: 15.0 kW
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Antenna: MCI-955516 (ID 20069) 55.0 deg
Elev Pattrn: Generic

49.7 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	1.33 kW	191.5 m	38.4 km
45.0	14.0	202.1	51.1
90.0	6.19	201.5	46.9
135.0	0.007	206.4	13.4
180.0	0.002	189.5	8.9
225.0	0.002	188.9	8.9
270.0	0.002	192.2	9.0
315.0	0.002	179.8	8.8

Database HAAT does not agree with computed HAAT
Database HAAT: 0 m Computed HAAT: 194 m

Distance to Canadian border: 421.8 km

Distance to Mexican border: 1879.2 km

Conditions at FCC monitoring station: Allegan MI
Bearing: 101.7 degrees Distance: 186.6 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 263.3 degrees Distance: 1448.3 km

Study cell size: 0.50 km
Profile point spacing: 1.00 km

Maximum new IX to full-service and Class A: 0.50%
Maximum new IX to LPTV: 2.00%

---- Below is IX received by proposal BLTTL20071001ACM ----

Proposal receives 5.01% interference from scenario 1
Proposal receives 5.01% interference from scenario 2
No IX check failures found.